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**FACSIMILE COVER LETTER**

**FAX NO** : 703-308-7722  
**TO** : Lisa Johnson  
U.S. Patent and Trademark Office  
**FROM** : Tracy L. Anderson  
**DATE** : September 10, 1999  
**RE** : 10020/11901 - U.S. Serial No. 09/136,342

**NUMBER OF PAGES INCLUDING COVER : 8**

Ms. Johnson:

Further to our telephone conversation of today, attached please find a copy of the Petition to Make Special Under 37 CFR 1.102 which was filed in the above referenced application on November 19, 1998 together with an Information Disclosure Statement. A copy of the postcard date stamped November 23, 1998 which was received from the Patent Office is also enclosed.

Please make sure that these papers get placed in the corresponding file so that a Decision can be made on the pending Petition.

Thank you for your assistance. Please give me a call to let me know that you have received the above mentioned file and that the enclosed papers have been matched up with same. If you have any questions, please feel free to contact me at 212-908-6467.

Tracy L. Anderson

**IF ANY PAGES WERE NOT RECEIVED OR ARE ILLEGIBLE, PLEASE CALL (212) 425-7200 ext. 8487 AS SOON AS POSSIBLE.**  
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Case No. 10020/11901 Atty. GOW

Ser. No. 09/136,342 Due Date

The Impressed Mail Room date stamp acknowledges receipt of the  
date indicated of: PRINCETON UNIVERSITY

- |   |  |
|---|--|
| <input type="checkbox"/> Application                    | <input type="checkbox"/> Extension Request             |
| <input type="checkbox"/> Amendment                      | <input type="checkbox"/> Priority Document             |
| <input type="checkbox"/> Assignment                     | <input type="checkbox"/> Issue Fee                     |
| <input type="checkbox"/> Notice of Appeal               | <input type="checkbox"/> Declaration                   |
| <input checked="" type="checkbox"/> Prior Art Statement | <input type="checkbox"/> Small Entity                  |
| <input type="checkbox"/> Appeal Brief                   | <input checked="" type="checkbox"/> DEP. ACCT. 11-0600 |



PETITION TO MAKE SPECIAL UNDER 37 CFR 1.102

11/19/98



Girard College Philadelphia, PA 1848-1998

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# INFORMATION DISCLOSURE STATEMENT

Inventor(s)  
**FORREST et al.**

George D. Winborne

- 6661/01/60





EXAMINER INITIAL		AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.
		Uni-Solar <sup>®</sup> Energy Generation. <a href="http://ovonic.com/engentek.html">http://ovonic.com/engentek.html</a> (Jan. 26, 1998).
		S.R. FORREST, "Very High Efficiency Photovoltaic Cells Based on Fully Organic Multiple Quantum Wells", National Renewable Energy Lab. Quarterly Technical Progress Report. 15 Feb. 1995 - 15 May 1995, (Mar. 1997) NREL/SR-520-21882, DE97000063.
		S.R. FORREST, "Ultrathin Organic Films by Organic Molecular Beam Deposition and Related Techniques," Chemical Reviews, American Chemical Society, Vol. 97, No. 6, pp. 1793-1896, September/October 1997.

EXAMINER	DATE CONSIDERED
<p>EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</p>	

*Copy*

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10020/11901

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Inventor(s): FORREST, et al.

Serial No.: 09/136,342

Filing Date: August 19, 1998

For: ORGANIC PHOTOSENSITIVE  
OPTOELECTRONIC  
DEVICES WITH TRANSPARENT  
ELECTRODES

Group Art Unit: 2875

Examiner:

Honorable Commissioner of Patents and Trademarks  
Washington D.C. 20231

**PETITION TO MAKE SPECIAL UNDER 37 C.F.R. §1.102**

SIR:

Applicants hereby petition to have the above-identified patent application made special on the ground that the invention, as disclosed and claimed, materially contributes to the development of energy resources and the more efficient utilization and conservation of energy resources. See 37 C.F.R. §1.102(c) and M.P.E.P. §708.02, subsection VI. It is believed that no fees are due in connection with this Petition. If, however, such fees are required, the Commissioner is hereby authorized to charge Kenyon & Kenyon's Deposit Account No. 11-0600 for that purpose.

The technology of the present invention, known as "organic photosensitive optoelectronic device" or "OPOD" technology, makes use of organic materials that convert electromagnetic radiation into electricity. The organic materials are typically arranged as thin layers between electrodes. A voltage may be generated across the electrodes when the OPOD is irradiated, or in other applications the effective resistance across the electrodes may be reduced resulting in an increased current through the OPOD.

OPOD technology has application in photovoltaic energy generation devices, i.e., solar cells. OPODs according to the present invention have increased efficiency of

In addition, the OPODs of the present invention have application as energy efficient photodetectors, using reduced power for detection of electromagnetic radiation due to the novel transparent electrode and multicell configurations disclosed in the instant application. Such highly efficient photodetectors can be utilized in household and industrial applications such as security, monitoring and inspection equipment to reduce energy use in those applications.

Dated: 11/14/93

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6661/01/60

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OPOD technology has application in photovoltaic energy generation devices, i.e., solar cells. OPODs according to the present invention have increased efficiency of

energy generation due to the novel transparent electrode configurations and multilayer devices possible with the invention presently disclosed. The transparent top electrode configurations permit admission of light into an OPOD on the side opposite the substrate so that a variety of light weight, flexible substrate materials such as plastic may be used. This makes energy conserving solar cell technology available for a greater number of practical applications. The stacked multicell OPODs of the present invention permit optimization of the "fill factor" associated with such solar cell devices to provide optimum energy conversion efficiency coupled with selectable voltage and current levels. Additionally, the stacking capabilities of the present invention permit the optimization of the OPOD configuration for the anticipated radiation intensity, e.g., the brightness of the expected ambient light, thus producing increased energy conversion efficiency.

In addition, the OPODs of the present invention have application as energy efficient photodetectors, using reduced power for detection of electromagnetic radiation due to the novel transparent electrode and multicell configurations disclosed in the instant application. Such highly efficient photodetectors can be utilized in household and industrial applications such as security, monitoring and inspection equipment to reduce energy use in those applications.

It is respectfully submitted that all of the requirements of M.P.E.P. §708.02 VI have been satisfied. It is submitted that the OPODs of the present invention qualify under both categories (1) (development of energy resources), and (2) (more efficient utilization and conservation of energy resources) of M.P.E.P. §708.02 VI. Accordingly, it is respectfully requested that this Petition be granted and that an accelerated examination of the above-identified application be ordered.

Dated: 11/19/93

By: George O. Winborne  
George O. Winborne  
Reg. No. 43,277

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